

SEQUENCE LISTING

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MORRIS, AARON J.

<120> METHODS AND REAGENTS FOR ISOLATING BIOLOGICALLY ACTIVE PEPTIDES

<130> MIV-106.01

<140> 09/174, 943
<141> 1998-10-19

<160> 8

<170> PatentIn Ver. 2.0

<210> 1
<211> 527
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM6 M13/COS peptide expression plasmid

<220>
<221> CDS
<222> (124..222, 226..417)

<400> 1
cgcaattact gtgagttagc tcactcatta ggcacccag gctttacact ttatacttcc 60
ggctcgtata ttgtgtggaa ttgtgagcgg ataacaattt ctagaaggaa acaggtaagt 120
atg aaa aaa tta tta ttc gca att cct tta gtt gtt cct ttc tat tct 168
Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
1 5 10 15
cac tcc gct gaa tta ctg aca tcc act ttg cct ttc tct cca cag ggg 216
His Ser Ala Glu Leu Leu Thr Ser Thr Leu Pro Phe Ser Pro Gln Gly
20 25 30
gcc acc atg aaa tgc agc tgg gtt atc ttc ttc ctg atg gca gtg gtt 264
Ala Thr Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val
35 40 45
aca ggg gtc aat tca gca cca ggc gga tgg gcg gcc gca gag caa aag 312
Thr Gly Val Asn Ser Ala Pro Gly Trp Ala Ala Glu Gln Lys
50 55 60
ctc att tct gaa gag gac ttg gca cac cat cac cat cac cat ctg cag 360
Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu Gln
65 70 75
cca tta tct tgg cag gta agt gct gag ggt gac gat ccc ttc acc tcg 408
Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser

80

85

90

aaa gca agc tgataaaagtc taagcccgcc taatgagcgg gctttttttt
 Lys Ala Ser
 95

tactgacatc ctcgaggcct ttctctccac agggtagat aactgaactt gtttattgca
 gattataatg
 527

<210> 2
 <211> 97
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: pAM6

<400> 2
 Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser His
 1 5 10 15

Ser Ala Glu Leu Leu Thr Ser Thr Leu Pro Phe Ser Pro Gln Gly Ala
 20 25 30

Thr Lys Cys Ser Trp Val Ile Phe Phe Leu Met Ala Val Val Thr Gly
 35 40 45

Val Asn Ser Ala Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys Leu Ile
 50 55 60

Ser Glu Glu Asp Leu Ala His His His His His His Leu Gln Pro Leu
 65 70 75 80

Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser Lys Ala
 85 90 95

Ser

<210> 3
 <211> 488
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: pAM7 M13/COS
 peptide expression plasmid

<220>
 <221> CDS
 <222> (25..78, 193..378)

<400> 3
 cgcaattact ctagagccac catg aaa tgc agc tgg gtt atc ttc ttc ctg
 Lys Cys Ser Trp Val Ile Phe Phe Leu

51

1 5

atg gca gtg gtt aca ggg gtc aat tca ggtaagttag ttagctcact 98
Met Ala Val Val Thr Gly Val Asn Ser
10 15

cattaggcac cccaggctt acacttata cttccggctc gtatattgtg tggaattgtg 158
agcgataac aatttcacac agggaaacagc tatg aaa atc aaa ctg gcg tta 210
Lys Ile Lys Leu Ala Leu
20

ctc gcc ctg act tct ctt gct ctt gca ggt cca ggc gga tgg gcg 258
Leu Ala Leu Thr Ser Leu Ser Ala Leu Ala Gly Pro Gly Gly Trp Ala
25 30 35 40

gcc gca gag caa aag ctc att tct gaa gag gac ttg gca cac cat cac 306
Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His
45 50 55

cat cac cat ctg cag cca tta tct tgg cag gta agt gct gag ggt gac 354
His His His Leu Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp
60 65 70

gat ccc ttc acc tcg aaa gca agc tgataaaagtc taagcccgcc taatgagccgg 408
Asp Pro Phe Thr Ser Lys Ala Ser
75 80

gcttttttt tactgacatc ctggggcct ttctctccac agggtagat aactgaactt 468

gtttattgca gattataatg 488

<210> 4
<211> 80
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM7

<400> 4
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1 5 10 15

Asn Ser Lys Ile Lys Leu Ala Leu Leu Ala Leu Thr Ser Leu Ser Ala
20 25 30

Leu Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln Lys Leu Ile Ser
35 40 45

Glu Glu Asp Leu Ala His His His His His Leu Gln Pro Leu Ser
50 55 60

Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr Ser Lys Ala Ser
65 70 75 80

<210> 5
<211> 426
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM8 M13/COS
peptide expression plasmid

<220>
<221> CDS
<222> (121)..(324)

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ggctcgtata ttgtgtggaa ttgtgagcgg ataacaattt ctagaaggaa agccaccatg 120
tct atc caa cac ttc cgt gtt gca tta atc cct ttc ttt gca gcg ttc 168
Ser Ile Gln His Phe Arg Val Ala Leu Ile Pro Phe Phe Ala Ala Phe
1 5 10 15

tgt tta cct gtt ttc gca ggt cca ggc gga tgg gcg gcc gca gag caa 216
Cys Leu Pro Val Phe Ala Gly Pro Gly Gly Trp Ala Ala Ala Glu Gln
20 25 30

aag ctc att tct gaa gag gac ttg gca cac cat cac cat cac cat ctg 264
Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His His His Leu
35 40 45

cag cca tta tct tgg cag gta agt gct gag ggt gac gat ccc ttc acc 312
Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr
50 55 60

tcg aaa gca agc tgataaagtc taagccgccc taatgagcgg gctttttttt 364
Ser Lys Ala Ser
65

tactgacatc ctcgaggcct ttctctccac aggggttagat aactgaactt gtttattgca 424
ga 426

<210> 6
<211> 68
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pAM8

<400> 6
Ser Ile Gln His Phe Arg Val Ala Leu Ile Pro Phe Phe Ala Ala Phe
1 5 10 15
Cys Leu Pro Val Phe Ala Gly Pro Gly Gly Trp Ala Ala Glu Gln

20

25

30

Lys Leu Ile Ser Glu Glu Asp Leu Ala His His His His His His Leu
35 40 45

Gln Pro Leu Ser Trp Gln Val Ser Ala Glu Gly Asp Asp Pro Phe Thr
50 55 60

Ser Lys Ala Ser
65

<210> 7

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Thrombospondin
derived peptide

<400> 7

Ser Pro Trp Ser Ser Ala Ser Val Thr Cys Gly Asp Gly Val Ile Thr
1 5 10 15

Arg Ile Arg

<210> 8

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RGD motif

<400> 8

Cys Asp Cys Arg Gly Asp Cys Phe Cys
1 5